

CRF Errors Corrected by the STIC Systems Branch

0570
0319

O1PE

10

Serial Number: 09/722,544ACRF Processing Date: 3/25/2002
Edited by: AJ
Reviewed by: AJ (STIC staff) changed a file from non-ASCII to ASCII**ENTERED** Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 3 Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____ Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/722,544A

DATE: 03/25/2002
TIME: 12:43:36

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

p.b

3 <110> APPLICANT: Hong, Chen
4 Freimer, Nelson B.
6 <120> TITLE OF INVENTION: METHODS OF DIAGNOSING NEUROPSYCHIATRIC DISORDERS
8 <130> FILE REFERENCE: 07334-362001
10 <140> CURRENT APPLICATION NUMBER: 09/722,544A
11 <141> CURRENT FILING DATE: 2000-11-28
13 <150> PRIOR APPLICATION NUMBER: 09/236,134
14 <151> PRIOR FILING DATE: 1999-01-22
16 <150> PRIOR APPLICATION NUMBER: 60/078,044
17 <151> PRIOR FILING DATE: 1998-03-16
19 <150> PRIOR APPLICATION NUMBER: 60/088,312
20 <151> PRIOR FILING DATE: 1998-06-05
22 <150> PRIOR APPLICATION NUMBER: 60/106,056
23 <151> PRIOR FILING DATE: 1998-10-28
25 <160> NUMBER OF SEQ ID NOS: 33
27 <170> SOFTWARE: FastSEQ for Windows Version 3.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 2055
31 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
34 <220> FEATURE:
35 <221> NAME/KEY: CDS
36 <222> LOCATION: (285)...(1769)
38 <400> SEQUENCE: 1
39 tgcgtcacct gcaggcccg gccgcgggt tggttccac cctggagggt gctgacaccc 60
40 tgtgcctcg gctgacttcc agccgggtgc acagacgcct ccagggggca gcactcaagc 120
41 gcatcttagg aatgacagag ttgcgtccct ctctgttgcc aggctggagt tcagtggcat 180
42 gttcttagct cactgaagcc tcaaattcct gggtcaagt gaccctccca cctcagcccc 240
43 atgaggacat gggactacag gacacagcta aatccctgac acgg atg aaa att aaa 296
Met Lys Ile Lys
44 1
45 1
47 gca gag aaa aac gaa ggt cct tcc aga agc tgg tgg caa ctt cac tgg 344
48 Ala Glu Lys Asn Glu Gly Pro Ser Arg Ser Trp Trp Gln Leu His Trp
49 5 10 15 20
51 gga gat att gca aat aac agc ggg aac atg aag ccg cca ctc ttg gtg 392
52 Gly Asp Ile Ala Asn Asn Ser Gly Asn Met Lys Pro Pro Leu Leu Val
53 25 30 35
55 ttt att gtg tgt ctg ctg tgg ttg aaa gac agt cac tgc gca ccc act 440
56 Phe Ile Val Cys Leu Leu Trp Leu Lys Asp Ser His Cys Ala Pro Thr
57 40 45 50
59 tgg aag gac aaa act gct atc agt gaa aac ctg aag agt ttt tct gag 488
60 Trp Lys Asp Lys Thr Ala Ile Ser Glu Asn Leu Lys Ser Phe Ser Glu
61 55 60 65

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/722,544A

DATE: 03/25/2002
TIME: 12:43:36

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--|
| 63 | gtg | ggg | gag | ata | gat | gca | gat | gaa | gag | gtg | aag | aag | gct | ttg | act | ggt | 536 | |
| 64 | Val | Gly | Glu | Ile | Asp | Ala | Asp | Glu | Glu | Val | Lys | Lys | Ala | Leu | Thr | Gly | | |
| 65 | 70 | | | | | 75 | | | | | 80 | | | | | | 584 | |
| 67 | att | aag | caa | atg | aaa | atc | atg | atg | gaa | aga | aaa | gag | aag | gaa | cac | acc | | |
| 68 | Ile | Lys | Gln | Met | Lys | Ile | Met | Met | Glu | Arg | Lys | Glu | Lys | Glu | His | Thr | | |
| 69 | 85 | | | | | 90 | | | | | 95 | | | | 100 | | | |
| 71 | aat | cta | atg | agc | acc | ctg | aag | aaa | tgc | aga | gaa | gaa | aag | cag | gag | gcc | 632 | |
| 72 | Asn | Leu | Met | Ser | Thr | Leu | Lys | Lys | Cys | Arg | Glu | Glu | Lys | Gln | Glu | Ala | | |
| 73 | | | | | | 105 | | | | | 110 | | | | 115 | | | |
| 75 | ctg | aaa | ctt | ctg | aat | gaa | gtt | caa | gaa | cat | ctg | gag | gaa | gaa | agg | | 680 | |
| 76 | Leu | Lys | Leu | Leu | Asn | Glu | Val | Gln | Glu | His | Leu | Glu | Glu | Glu | Arg | | | |
| 77 | | | | | | 120 | | | | | 125 | | | | 130 | | | |
| 79 | cta | tgc | cgg | gag | tct | ttg | gca | gat | tcc | tgg | ggt | gaa | tgc | agg | tct | tgc | 728 | |
| 80 | Leu | Cys | Arg | Glu | Ser | Leu | Ala | Asp | Ser | Trp | Gly | Glu | Cys | Arg | Ser | Cys | | |
| 81 | | 135 | | | | | 140 | | | | | 145 | | | | | | |
| 83 | ctg | gaa | aat | aac | tgc | atg | aga | att | tat | aca | acc | tgc | caa | cct | agc | tgg | 776 | |
| 84 | Leu | Glu | Asn | Asn | Cys | Met | Arg | Ile | Tyr | Thr | Thr | Cys | Gln | Pro | Ser | Trp | | |
| 85 | | 150 | | | | | 155 | | | | | 160 | | | | | | |
| 87 | tcc | tct | gtg | aaa | aat | aag | att | gaa | cgg | ttt | ttc | agg | aag | ata | tat | caa | 824 | |
| 88 | Ser | Ser | Val | Lys | Asn | Lys | Ile | Glu | Arg | Phe | Phe | Arg | Lys | Ile | Tyr | Gln | | |
| 89 | 165 | | | | | 170 | | | | | 175 | | | | 180 | | | |
| 91 | ttt | cta | ttt | cct | ttc | cat | gaa | gat | aat | gaa | aaa | gat | ctc | ccc | atc | agt | 872 | |
| 92 | Phe | Leu | Phe | Phe | His | Glu | Asp | Asn | Glu | Lys | Asp | Leu | Pro | Ile | Ser | | | |
| 93 | | | | | | 185 | | | | | 190 | | | | 195 | | | |
| 95 | gaa | aag | ctc | att | gag | gaa | gat | gca | caa | ttg | acc | caa | atg | gag | gat | gtg | 920 | |
| 96 | Glu | Lys | Leu | Ile | Glu | Glu | Asp | Ala | Gln | Leu | Thr | Gln | Met | Glu | Asp | Val | | |
| 97 | | | | | | 200 | | | | | 205 | | | | 210 | | | |
| 99 | ttc | agc | cag | ttg | act | gtg | gat | gtg | aat | tct | ctc | ttt | aac | agg | agt | ttt | 968 | |
| 100 | Phe | Ser | Gln | Leu | Thr | Val | Asp | Val | Asn | Ser | Leu | Phe | Asn | Arg | Ser | Phe | | |
| 101 | | 215 | | | | | 220 | | | | | 225 | | | | | 1016 | |
| 103 | aac | gtc | tcc | aga | cag | atg | cag | caa | gag | ttt | gac | cag | act | ttt | caa | tca | | |
| 104 | Asn | Val | Phe | Arg | Gln | Met | Gln | Gln | Glu | Phe | Asp | Gln | Thr | Phe | Gln | Ser | | |
| 105 | | 230 | | | | | 235 | | | | | 240 | | | | | | |
| 107 | cat | ttc | ata | tca | gat | aca | gac | cta | act | gag | cct | tac | ttt | ttt | caa | gct | 1064 | |
| 108 | His | Phe | Ile | Ser | Asp | Thr | Asp | Leu | Thr | Glu | Pro | Tyr | Phe | Phe | Pro | Ala | | |
| 109 | 245 | | | | | 250 | | | | | 255 | | | | 260 | | | |
| 111 | ttc | tct | aaa | gag | ccg | atg | aca | aaa | gca | gat | ctt | gag | caa | tgt | tgg | gac | 1112 | |
| 112 | Phe | Ser | Lys | Glu | Pro | Met | Thr | Lys | Ala | Asp | Leu | Glu | Gln | Cys | Trp | Asp | | |
| 113 | | | | | | 265 | | | | | 270 | | | | 275 | | | |
| 115 | att | ccc | aac | ttc | tcc | cag | ctg | ttt | tgt | aat | ttc | agt | gtc | tct | att | tat | 1160 | |
| 116 | Ile | Pro | Asn | Phe | Phe | Gln | Leu | Phe | Cys | Asn | Phe | Ser | Val | Ser | Ile | Tyr | | |
| 117 | | 280 | | | | | 285 | | | | | 290 | | | | | | |
| 119 | gaa | agt | gtc | agt | gaa | aca | att | act | aag | atg | ctg | aag | gca | ata | gaa | gat | 1208 | |
| 120 | Glu | Ser | Val | Ser | Glu | Thr | Ile | Thr | Lys | Met | Leu | Lys | Ala | Ile | Glu | Asp | | |
| 121 | | 295 | | | | | 300 | | | | | 305 | | | | | 1256 | |
| 123 | tta | cca | aaa | caa | gac | aaa | gct | cct | gac | cac | gga | ggc | ctg | att | tca | aag | | |
| 124 | Leu | Pro | Lys | Gln | Asp | Lys | Ala | Pro | Asp | His | Gly | Gly | Ley | Ile | Ser | Lys | | |
| 125 | | 310 | | | | | 315 | | | | | 320 | | | | | | |
| 127 | atg | tta | cct | ggg | cag | gac | aga | gga | ctg | tgt | ggg | gaa | ctt | gac | cag | aat | 1304 | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/722,544A

DATE: 03/25/2002
TIME: 12:43:36

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

| | | | | | | | | | | | | | | | | | |
|-----|-------|-----------|--------------|-----------|----------|-----------|-----------|-----------|-----|------|------|------------|-------------|------|------|------|------|
| 128 | Met | Leu | Pro | Gly | Gln | Asp | Arg | Gly | Leu | Cys | Gly | Glu | Leu | Asp | Gln | Asn | |
| 129 | 325 | | | | 330 | | | | | 335 | | | | | 340 | | |
| 131 | ttg | tca | aga | tgt | ttc | aaa | ttt | cat | gaa | aaa | tgc | caa | aaa | tgt | cag | gct | 1352 |
| 132 | Leu | Ser | Arg | Cys | Phe | Lys | Phe | His | Glu | Lys | Cys | Gln | Lys | Cys | Gln | Ala | |
| 133 | | | | | 345 | | | | | 350 | | | | | 355 | | |
| 135 | cac | cta | tct | gaa | gac | tgt | cct | gat | gta | cct | gct | ctg | cac | aca | gaa | tta | 1400 |
| 136 | His | Leu | Ser | Glu | Asp | Cys | Pro | Asp | Val | Pro | Ala | Leu | His | Thr | Glu | Leu | |
| 137 | | | | | 360 | | | | | 365 | | | | | 370 | | |
| 139 | gac | gag | gcg | atc | agg | ttg | gtc | aat | gta | tcc | aat | cag | cag | tat | ggc | cag | 1448 |
| 140 | Asp | Glu | Ala | Ile | Arg | Leu | Val | Asn | Val | Ser | Asn | Gln | Gln | Tyr | Gly | Gln | |
| 141 | | | | | 375 | | | | | 380 | | | | | 385 | | |
| 143 | att | ctc | cag | atg | acc | cg | aag | cac | ttg | gag | gac | acc | gcc | tat | ctg | gtg | 1496 |
| 144 | Ile | Leu | Gln | Met | Thr | Arg | Lys | His | Leu | Glu | Asp | Thr | Ala | Tyr | Leu | Val | |
| 145 | | | | | 390 | | | | | 395 | | | | | 400 | | |
| 147 | gag | aag | atg | aga | ggg | caa | ttt | ggc | tgg | gtg | tct | gaa | ctg | gca | aac | cag | 1544 |
| 148 | Glu | Lys | Met | Arg | Gly | Gln | Phe | Gly | Trp | Val | Ser | Glu | Leu | Ala | Asn | Gln | |
| 149 | | | | | 405 | | | | | 410 | | | | | 415 | | |
| 151 | gcc | cca | gaa | aca | gag | atc | atc | ttt | aat | tca | ata | cag | gta | gtt | cca | agg | 1592 |
| 152 | Ala | Pro | Glu | Thr | Glu | Ile | Ile | Phe | Asn | Ser | Ile | Gln | Val | Val | Pro | Arg | |
| 153 | | | | | 425 | | | | | 430 | | | | | 435 | | |
| 155 | att | cat | gaa | gga | aat | att | tcc | aaa | caa | gat | gaa | aca | atg | atg | aca | gac | 1640 |
| 156 | Ile | His | Glu | Gly | Asn | Ile | Ser | Lys | Gln | Asp | Glu | Thr | Met | Met | Thr | Asp | |
| 157 | | | | | 440 | | | | | 445 | | | | | 450 | | |
| 159 | tta | agc | att | ctg | cct | tcc | tct | aat | ttc | aca | ctc | aag | atc | cct | ttt | gaa | 1688 |
| 160 | Leu | Ser | Ile | Leu | Pro | Ser | Ser | Asn | Phe | Thr | Leu | Lys | Ile | Pro | Leu | Glu | |
| 161 | | | | | 455 | | | | | 460 | | | | | 465 | | |
| 163 | gaa | agt | gct | gag | agt | tct | aac | ttc | att | ggc | tac | gta | gtg | gca | aaa | gct | 1736 |
| 164 | Glu | Ser | Ala | Glu | Ser | Ser | Asn | Phe | Ile | Gly | Tyr | Val | Val | Ala | Lys | Ala | |
| 165 | | | | | 470 | | | | | 475 | | | | | 480 | | |
| 167 | cta | cag | cat | ttt | aag | gaa | cat | ttt | aaa | acc | tgg | taagaagatc | taatgcattcc | | | | 1789 |
| 168 | Leu | Gln | His | Phe | Lys | Glu | His | Phe | Lys | Thr | Trp | | | | | | |
| 169 | | | | | 485 | | | | | 490 | | | | | 495 | | |
| 171 | tat | atccagt | aat | gttagaatt | atcttcat | ctggacatc | gaaatccat | gaaatccat | aaa | aaaa | aaaa | aaaa | aaaa | aaaa | aaaa | aaaa | 1849 |
| 172 | ata | at | at | at | at | at | at | at | at | at | at | at | at | at | at | at | 1909 |
| 173 | at | ttt | act | tt | ttt | at | ttt | at | ttt | at | ttt | at | ttt | at | ttt | at | 1969 |
| 174 | ctc | ctt | aaa | aa | at | caa | ac | gt | at | ttt | at | ttt | at | ttt | at | ttt | 2029 |
| 175 | at | ttt | ga | at | ta | aa | at | ttt | at | ttt | at | ttt | at | ttt | at | ttt | 2055 |
| 177 | <210> | SEQ | ID | NO: | 2 | | | | | | | | | | | | |
| 178 | <211> | LENGTH: | 495 | | | | | | | | | | | | | | |
| 179 | <212> | TYPE: | PRT | | | | | | | | | | | | | | |
| 180 | <213> | ORGANISM: | Homo sapiens | | | | | | | | | | | | | | |
| 182 | <400> | SEQUENCE: | 2 | | | | | | | | | | | | | | |
| 183 | Met | Lys | Ile | Lys | Ala | Glu | Lys | Asn | Glu | Gly | Pro | Ser | Arg | Ser | Trp | Trp | |
| 184 | | | | | 1 | | | 5 | | | 10 | | | | 15 | | |
| 185 | Gln | Leu | His | Trp | Gly | Asp | Ile | Ala | Asn | Asn | Ser | Gly | Asn | Met | Lys | Pro | |
| 186 | | | | | 20 | | | | 25 | | | | | 30 | | | |
| 187 | Pro | Leu | Leu | Val | Phe | Ile | Val | Cys | Leu | Leu | Trp | Leu | Lys | Asp | Ser | His | |
| 188 | | | | | 35 | | | | 40 | | | | | 45 | | | |
| 189 | Cys | Ala | Pro | Thr | Trp | Lys | Asp | Lys | Thr | Ala | Ile | Ser | Glu | Asn | Leu | Lys | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/722,544A

DATE: 03/25/2002
TIME: 12:43:36

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

190 50 55 60
 191 Ser Phe Ser Glu Val Gly Glu Ile Asp Ala Asp Glu Glu Val Lys Lys
 192 65 70 75 80
 193 Ala Leu Thr Gly Ile Lys Gln Met Lys Ile Met Met Glu Arg Lys Glu
 194 85 90 95
 195 Lys Glu His Thr Asn Leu Met Ser Thr Leu Lys Lys Cys Arg Glu Glu
 196 100 105 110
 197 Lys Gln Glu Ala Leu Lys Leu Leu Asn Glu Val Gln Glu His Leu Glu
 198 115 120 125
 199 Glu Glu Glu Arg Leu Cys Arg Glu Ser Leu Ala Asp Ser Trp Gly Glu
 200 130 135 140
 201 Cys Arg Ser Cys Leu Glu Asn Asn Cys Met Arg Ile Tyr Thr Thr Cys
 202 145 150 155 160
 203 Gln Pro Ser Trp Ser Ser Val Lys Asn Lys Ile Glu Arg Phe Phe Arg
 204 165 170 175
 205 Lys Ile Tyr Gln Phe Leu Phe Pro Phe His Glu Asp Asn Glu Lys Asp
 206 180 185 190
 207 Leu Pro Ile Ser Glu Lys Leu Ile Glu Glu Asp Ala Gln Leu Thr Gln
 208 195 200 205
 209 Met Glu Asp Val Phe Ser Gln Leu Thr Val Asp Val Asn Ser Leu Phe
 210 210 215 220
 211 Asn Arg Ser Phe Asn Val Phe Arg Gln Met Gln Gln Glu Phe Asp Gln
 212 225 230 235 240
 213 Thr Phe Gln Ser His Phe Ile Ser Asp Thr Asp Leu Thr Glu Pro Tyr
 214 245 250 255
 215 Phe Phe Pro Ala Phe Ser Lys Glu Pro Met Thr Lys Ala Asp Leu Glu
 216 260 265 270
 217 Gln Cys Trp Asp Ile Pro Asn Phe Phe Gln Leu Phe Cys Asn Phe Ser
 218 275 280 285
 219 Val Ser Ile Tyr Glu Ser Val Ser Glu Thr Ile Thr Lys Met Leu Lys
 220 290 295 300
 221 Ala Ile Glu Asp Leu Pro Lys Gln Asp Lys Ala Pro Asp His Gly Gly
 222 305 310 315 320
 223 Leu Ile Ser Lys Met Leu Pro Gly Gln Asp Arg Gly Leu Cys Gly Glu
 224 325 330 335
 225 Leu Asp Gln Asn Leu Ser Arg Cys Phe Lys Phe His Glu Lys Cys Gln
 226 340 345 350
 227 Lys Cys Gln Ala His Leu Ser Glu Asp Cys Pro Asp Val Pro Ala Leu
 228 355 360 365
 229 His Thr Glu Leu Asp Glu Ala Ile Arg Leu Val Asn Val Ser Asn Gln
 230 370 375 380
 231 Gln Tyr Gly Gln Ile Leu Gln Met Thr Arg Lys His Leu Glu Asp Thr
 232 385 390 395 400
 233 Ala Tyr Leu Val Glu Lys Met Arg Gly Gln Phe Gly Trp Val Ser Glu
 234 405 410 415
 235 Leu Ala Asn Gln Ala Pro Glu Thr Glu Ile Ile Phe Asn Ser Ile Gln
 236 420 425 430
 237 Val Val Pro Arg Ile His Glu Gly Asn Ile Ser Lys Gln Asp Glu Thr
 238 435 440 445

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/722,544A

DATE: 03/25/2002
TIME: 12:43:36

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

239 Met Met Thr Asp Leu Ser Ile Leu Pro Ser Ser Asn Phe Thr Leu Lys
240 450 455 460
241 Ile Pro Leu Glu Glu Ser Ala Glu Ser Ser Asn Phe Ile Gly Tyr Val
242 465 470 475 480
243 Val Ala Lys Ala Leu Gln His Phe Lys Glu His Phe Lys Thr Trp
244 485 490 495
246 <210> SEQ ID NO: 3
247 <211> LENGTH: 1957
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
251 <220> FEATURE:
252 <221> NAME/KEY: CDS
253 <222> LOCATION: (241)...(1671)
255 <400> SEQUENCE: 3
256 tgcgtcacct gcaggccccgg gcccgggggt tggtttccac cctggaggtt gctgacacccc 60
257 tgtgcctcg gctgacttcc agccgggtggc acagacgcct ccagggggca gcactcaagc 120
258 gcatctttagg aatgacagag ttgcgtccct ctckgttgcc aggctggagt tcagtggcat 180
259 gttcwttagct cactgaagcc tcaaattcct gggttcaagt gaccctccya cctcagcccc 240
260 atg agg acc tgg gac tac agt aac agc ggg aac atg aag cgg cca ctc 288
261 Met Arg Thr Trp Asp Tyr Ser Asn Ser Gly Asn Met Lys Pro Pro Leu
262 1 5 10 15
264 ttg gtg ttt att gtg tgt ctg ctg tgg ttg aaa gac agt cac tgc gca 336
265 Leu Val Phe Ile Val Cys Leu Leu Trp Leu Lys Asp Ser His Cys Ala
266 20 25 30
268 ccc act tgg aag gac aaa act gct atc agt gaa aac ctg aag agt ttt 384
269 Pro Thr Trp Lys Asp Lys Thr Ala Ile Ser Glu Asn Leu Lys Ser Phe
270 35 40 45
272 tct gag gtg ggg gag ata gat gca gat gaa gag gtg aag aag gct ttg 432
273 Ser Glu Val Gly Glu Ile Asp Ala Asp Glu Glu Val Lys Lys Ala Leu
274 50 55 60
276 act ggt att aag caa atg aaa atc atg atg gaa aga aaa gag aag gaa 480
277 Thr Gly Ile Lys Gln Met Lys Ile Met Met Glu Arg Lys Glu Lys Glu
278 65 70 75 80
280 cac acc aat cta atg agc acc ctg aag aaa tgc aga gaa gaa aag cag 528
281 His Thr Asn Leu Met Ser Thr Leu Lys Lys Cys Arg Glu Glu Lys Gln
282 85 90 95
284 gag gcc ctg aaa ctt ctg aat gaa gtt caa gaa cat ctg gag gaa gaa 576
285 Glu Ala Leu Lys Leu Leu Asn Glu Val Gln Glu His Leu Glu Glu Glu
286 100 105 110
288 gaa agg cta tgc cgg gag tct ttg gca gat tcc tgg ggt gaa tgc agg 624
289 Glu Arg Leu Cys Arg Glu Ser Leu Ala Asp Ser Trp Gly Glu Cys Arg
290 115 120 125
292 tct tgc ctg gaa aat aac tgc atg aga att tat aca acc tgc caa cct 672
293 Ser Cys Leu Glu Asn Asn Cys Met Arg Ile Tyr Thr Thr Cys Gln Pro
294 130 135 140
296 agc tgg tcc tct gtg aaa aat aag att gaa cgg ttt ttc agg aag ata 720
297 Ser Trp Ser Ser Val Lys Asn Lys Ile Glu Arg Phe Phe Arg Lys Ile
298 145 150 155 160
300 tat caa ttt cta ttt cct ttc cat gaa gat aat gaa aaa gat ctc ccc 768

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/25/2002
PATENT APPLICATION: US/09/722,544A TIME: 12:43:38

Input Set : A:\07334-362001.txt
Output Set: N:\CRF3\03222002\I722544A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 14635,14685,29727,29879,29880,29930,29939,29950,29953,41743
Seq#:7; N Pos. 41754,41758,41764,41778,41781,41796,52480,55325,56658,59051
Seq#:7; N Pos. 59067,59070,59073,59093,59146,59148,59149,59151,59172,59178
Seq#:7; N Pos. 72168,72236,72243,72247,72303,72308,72312